

Appl. No. 10/294,024  
Amdt. Dated 01/25/2007  
Reply to Office action of 10/25/2006

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### Listing of the Claims

1. (Original) An equalization method for a single carrier wireless transmitter apparatus, comprising: determining a channel impulse response; calculating coefficients for at least one time domain filter in a decision feedback equalizer based on the channel impulse response; and selecting a subset of calculated coefficients for the time domain filter in the DFE.
  
2. (Original) Apparatus for equalizing single carrier single burst signals, comprising: circuitry for estimating a channel impulse response; circuitry for determining filter coefficient for a decision feedback equalizer having sufficient length to cover a maximum anticipated channel impulse response; and circuitry for selecting a subset of the coefficients with a number of coefficients less than the total number of calculated coefficients; wherein the decision feedback equalizer utilizes the subset of filter coefficients.